

# HUNTER

## MECHANICAL THERMOSTAT INSTALLATION INSTRUCTIONS

HEAT ONLY	MODEL	HEAT/COOL
40020A	40035A	40035A
40040A	40060A	40060A
40050A	40070A	40070A

### READ THIS BEFORE INSTALLATION

- 1) Read the entire installation section thoroughly before you begin to install your HUNTER thermostat.
- 2) All installation is done at your thermostat. There is no need for modifications to your furnace wiring or furnace.
- 3) Your HUNTER thermostat is designed to operate with gas, oil, electric or forced hot water heating and air conditioning systems using 24 volt or millivolt controls and relay currents up to 1.0A. Such systems represent the great majority of residential central heating and air conditioning units in North America.
- 4) This thermostat is not designed to operate with heat pump systems, high voltage electric base-board, electric ceiling or multistage heating and cooling systems.

### THERMOSTAT REMOVAL

- 1) Turn your present thermostat to the OFF position. Turn off the power to the heat/cooling system at the main power panel to avoid cycling of your system.
- 2) Expose the wiring terminals on the existing thermostat, and they are generally on the baseplate. Before removing any wires determine the terminal markings for each wire. Then based on Table A apply the self-adhesive labels provided to the corresponding wires. (For example, attach the label marked "W" to the wire going to the "W" or "H" terminals on your present thermostat.)

**NOTE: IGNORE THE COLOR OF THE WIRES** since these do not always comply with the standard.

- 3) Once all wires are labeled, disconnect the wires from the thermostat.
- 4) Remove existing wallplate.
- 5) If the hole in the wall is larger than necessary for wires, seal the hole up, so that no hot or cold air can enter the back of the thermostat. This air can cause a false reading from the thermostat.

If the code letter on your existing thermostat is	then mark wire with label shown	and connect to thermostat terminal shown
RH, R, VR, or 4 24 Volts		RED
RC, VC 24 Volts Cool		BLUE
G or F Fan		GREEN
Y, C or M Air Cond. System		YELLOW
W or H Heating		WHITE

**NOTE:** If your system has one wire marked "R" or "RH" (4-wire system), then leave the jumper wire between the "RH" and "RC" terminals. Otherwise, if you have separate "RH" and "RC" wires (5-wire system), then remove the jumper wire between the "RH" and "RC" terminals.

### INSTALLATION

- 1) Gently remove the cover from the base of your HUNTER thermostat by pulling the base with one hand and the cover with your other hand.
- 2) For square models, position the wallplate against the wall and feed the wires through the center hole. For horizontal and vertical models, position the baseplate against the wall and feed the wires through the two openings below the wire terminals.
- 3) Using the screws and anchors provided, attach the wallplate or baseplate securely to the wall. For square models, use the self-tapping screws to secure the baseplate to the wallplate. This thermostat does not have to be level.
- 4) Connect wires to the proper terminals as shown in the table. Ignore any wires that may be present if they were not connected to your previous thermostat. The wires should not interfere with thermostat operation.
- 5) Adjust the heat anticipator adjacent to the current draw of the heating system. You may find this information listed in the specifications in your furnace manual or on the relay or gas valve the thermostat is connected to. To increase the heat cycle time, slide the wiper in the direction of the arrow; and for shorter cycles just opposite the arrow.

**NOTE:** For millivolt applications set to the highest setting then make adjustments per the above steps.

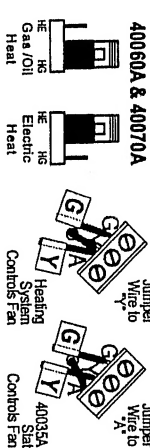
- 6) For the 40060A and 40070A, a pin jumper controls the fan operation. It should remain inserted into the center and "HG" pins if fan operation is normal. If the fan does not come on within a minute of the thermostat calling for heat, move the jumper to the center and "HE" pins. See figure below.

- 7) On model 40035A, there is a jumper wire that allows the stat to control the fan operation. If the fan on your electric heating system does not turn on correctly, move the jumper wire from the "Y" terminal to the "A" terminal. (The "Y" terminal will normally have 2 wires.) See figure below.

- 8) Line up the front cover with the baseplate and carefully snap into place.

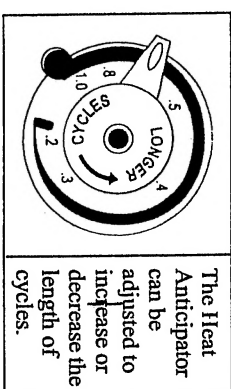
- 9) Make sure that the Heat/Off/Cool system switch is in the OFF position before returning power.

### FAN CONTROL



### OPERATION

- 1) Models 40020A, 40040A and 40050A are heat only thermostats and have only the temperature selector. Models 40035A, 40060A and 40070A are heat/cool thermostats and have three switches: the temperature selector, the Heat/Off/Cool system selector, and the Fan On/Off selector.
- 2) To select the desired temperature, position the selector at the temperature setting on the front cover.
- 3) To select Heat/Off/Cool or Fan On/Off, slide the respective switch to the operation desired.



The Heat Anticipator can be adjusted to increase or decrease the length of cycles.

### TECHNICAL ASSISTANCE

For technical assistance and support, call 901-745-9222 between 8a.m. and 5 p.m. Central Standard Time.

### HUNTER LIMITED WARRANTY

The Hunter Fan Company warrants your Hunter thermostat to be free from defects in material and workmanship for a period of one year from the date of sale to the original user or consumer purchaser. If your Hunter thermostat malfunctions or fails within the warranty period because of a defect in material or workmanship, Hunter will replace it.

**THIS WARRANTY IS IN LIEU OF ALL OTHER EXPRESS WARRANTIES. THE DURATION OF ANY IMPLIED WARRANTY INCLUDING BUT NOT LIMITED TO ANY IMPLIED WARRANTY OF MERCHANTABILITY OR FITNESS FOR A PARTICULAR PURPOSE, MADE IN RESPECT TO YOUR HUNTER THERMOSTAT IS LIMITED TO THE PERIOD OF THE EXPRESS WARRANTY SET FORTH ABOVE.**

This warranty is voided if your Hunter thermostat is not purchased and installed in the U.S.A.

This warranty excludes and does not cover defects, malfunctions, or failures of your Hunter thermostat which were caused by repairs by persons not authorized by Hunter, mishandling, improper installation, modifications or damage to the Hunter thermostat while in your possession, or unreasonable use, including failure to provide reasonable and necessary maintenance. Return your product, along with proof of purchase, to Hunter Fan Co. Service Department, 2500 Frisco Ave., Memphis, TN 38114. You will be responsible for all insurance and freight or other transportation charges to our factory. We will return your Hunter thermostat at Hunter's expense. Your Hunter thermostat should be properly packed to avoid damage in transit as you are responsible for any such damage.

IN NO EVENT SHALL HUNTER FAN CO., BE LIABLE FOR CONSEQUENTIAL OR INCIDENTAL DAMAGES. SOME STATES DO NOT ALLOW LIMITATIONS ON HOW LONG AN IMPLIED WARRANTY LASTS OR THE EXCLUSION OR LIMITATION OF INCIDENTAL OR CONSEQUENTIAL DAMAGES SO THE ABOVE LIMITATIONS OR EXCLUSIONS MAY NOT APPLY TO YOU. THIS WARRANTY GIVES YOU SPECIFIC LEGAL RIGHTS AND YOU MAY ALSO HAVE OTHER RIGHTS WHICH VARY FROM STATE TO STATE.



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